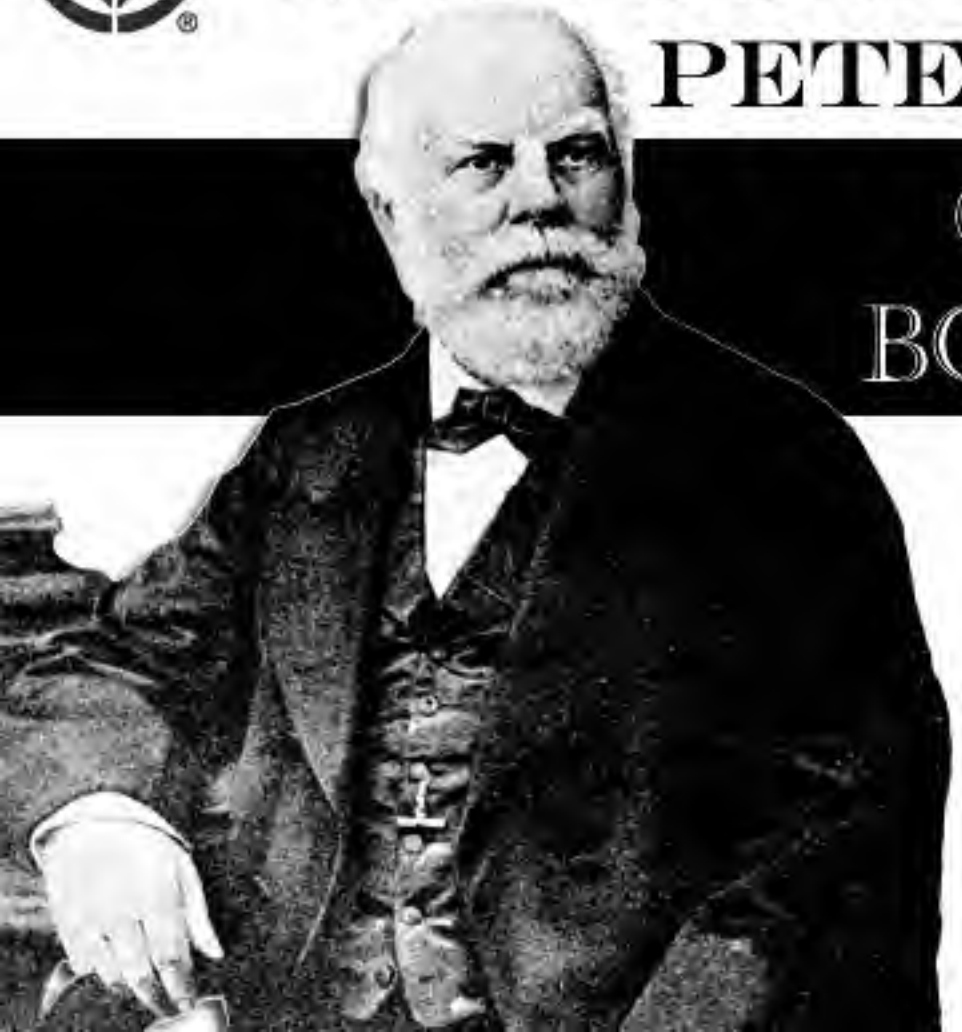
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80

Fouquieriaceæ

Fouquiera HBK. Char. emend. Engl. Tribij Mem. note 16.

F. formosa HBK. ibid.

F. splendens Engler n. sp. ibid Ferr. ÷ Sitgr. Rep. 165 F. Spinosa Torr. ÷ Emory Rep. 147 t. 8 Gr. Pl. Wh. 263

F. spinosa HBK ibid. Fr. N. Wright 1. 76 R. Xantus 158 Somm.

Idria columnaris Kellogg a gen. sp. Bot. Cal Ac. 2. 34

80

Polemoniaceæ DC. Prod 9 p. 302 (1845) G. & Bentham

Phlox bryoides n sp. Nutt A. Gamb. 153.

Ph. nana n. sp. Nutt A. Gamb. 153

Polemonium viscosum n. sp. Nutt. A. Gamb. 154

Gilia multiflora n. sp. Nutt A. Gamb. 154 Dr. Brand. 146

G. divaricata n. sp. Nutt A. Gamb. 155

G. aurea n. sp. Nutt A. Gamb. 155

G. orcuttiflora n. sp. Nutt A. Gamb. 156

G. spicata n. sp. Nutt A. Gamb. 156

G. trifida n. sp. Nutt A. Gamb. 156

G. pumila n. sp. Nutt A. Gamb. 156

G. filifolia n. sp. Nutt A. Gamb. 156

Leptosiphon bicolor n. sp. Nutt A. Gamb. 156 G. Ed.

Fenzlia speciosa n. sp. Nutt A. Gamb. 157 Gilia

Leptodactylon caespitosum n. sp. Nutt A. Gamb. 157 Gilia

Collomia linoides n sp Nutt A. Gamb. 159

Navarretia minima n sp Nutt A. Gamb. 160

Phlox canescens Torr & Gr. n sp. A. Beckw. P. R. II. 122 t. 6.

Gilia Jamesoni Torr & Gr. n. sp A. Jamesn. P. R. 2. 128 t. 9.

G. congiflora Don Torr. ÷ Sitgr. Rep. 165 t. 7

Phlox occidentalis Durand ÷ Pl. Whipp. 125. P. divaricata Don A. Watson

Navarretia leucocephala Bentk Hartw. 324

Gilia tricolor Bentk Hartw 324

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Convolvulaceae DC. Prod 9. p. 323 (1845) Choisy

Ipomoea leptophylla Torr. n. sp. N. Fremont 1. 94 Emory Rep. t. 11

(Convolv. hastatus Nutt. Fl. Sp. N. Ark. 194 C. Nuttallii Torr. Emory Rep. 149) C. lobatus Ell. N. Lit. 1. 44.

Calystegia Maximiliana Nees n. sp. N. Neuwied 17 = C. Sepium var. pubescens Torr. Bot. Mex. 148

Ipomoea longifolia Benth. N. Hartw. 345 (Conv. Shumardianus Torr. Hartw. Rep. 278) Bot. Bound 149

Ip. sagittata Desf. sagittifolia H & Arn. N. Whiff. 127

Convolv. arvensis var villosus Choi. DC. Prod. 9. 405. N. Whiff. 127

Ipomoea Temitoba Torr n. sp. Bot. Bound 149

I. costellata Torr n sp. Bot Bound. 149

I. leptoloma Torr n sp. Bot Bound. 150

Convolvulus ? orthofolius Torr n sp. Bot Bound. 150

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82

Solanaceae DC. Prod 13. 1. p. 1 (1852) Dunal

Solaneæ Texanæ ; Gray in S.-H. Journ N. Ser. 22 ( ) p. 284

Solanum Texense Lagasca & Gr. n. sp. A. Lindh. l. 19. = S. elæagnifolium Cav, see Ab

S. Torreyi Gray in Proc. Am. Ac. Bost. VI. p. 44 (1862) S. mammosum ? A. Lindh nro 281
S. platyphyllum ? Torr in Ann Lyc NY. see Dun.

Physalis pumila Nutt. n. sp. A. Ark. 193 see Torr Bot Mex Bound. 153

Ph. longifolia Nutt n. sp. A. Ark. 193 Bot Bound 153

Ph. mollis Nutt n sp A. Ark. 193 Bot Bound. 153

Nicotiana undulata Ntt. n. sp. A. Gamb. 181 ? = N. Mexicana Schlecht. Li. XV. 95. - A. Xant. 166.

Lycium sp A. Gray in Proc. Am. Acad. vol. VI. p. 457 (1862) Bot Mex 23

Solanum umbelliferum Sch. - DC. Pr. 13. 93 = S. Californicum Dun. in 6 p. 86
A. Whipp. 71

Nicotiana quadrivalvis Purh. A. Whipp. 127

N. plumbaginifolia Dun. - DC. Pr. 13. 563 - A. Whipp. 127

N. multiflora Nutt A. Gamb. fide Torr Bot Williamson P.R. 5. 362 see A. Xant. 166.
= N. inconspicua Dun. in DC Pr 13. 559. Commerson Herb (reprobe) Gray.

Datura Thomasii Torr n sp. Bot Williamson P.R. 5. 362 Bot Bound. 155
= D. discolor Bernh - DC. Prod. 13. 541. A. Xant. 165

Solanum umbelliferum Eschsch. - DC. Prod. 13. 93. & var. Torr in A. Parke PR. 7. 17

(= S. Californicum Dun 13. 86.) A. Whipp. 127. (71)
(= S. grandiflorum Dun 185 S. Mexicanum Dun. p. 159)

S. Fendleri Gray n. sp. Silliman. 22. p 284

S. Jamesii Torr in Ann Lyc NY. 2. 227. - Gray ib. -

S. Lindheimeranum Scheele Li. (S. triquetrum Dun. prod 13 p. 154) Bot Bd 152

S. elæagnifolium Cav. - Dun Prod 13. 290. (= S. florida Torr. = Texanum Lag & gr
= Roemeriana Scheele = ? Hindsianum Benth.

Physalis lobata Torr. Ann Lyc NY. 2. 226. Solan. latifolium. Dun Prod 13. 64

Ph. lanceolata Nutt var? spathulifolia Torr Bot Bound. 153

Ph cardiophylla Torr. n. sp. Bot Bound. 153 Bot Mex 23

Datura Metel & meteloides DC see Bot Bound. 154 note of Gray

Margaranthus solanaceus Schlecht. Bot Bound. 154

Petunia parviflora Juss. Dun 575 = Leptophragma juvenile Benth.
Dun. p. 575

Nierembergia viscosa Torr n sp Bot Bound. 155.

Wrightii Conzoppia Torr (Solanum C Dun. p. 64) Bot Bd. 155

Browallia Texana Torr n sp. Bot Bound. 156.

Datura quercifolia H.B.K. - the Am Grande.

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83

Gentianaceae DC. Prod 9 p. 38. (1845) Griseb.

Gentiana Fremontii Torr n sp. Pl. Fron. 1. 94 = G. humilis Stev. see Engl. & St Louis Trans. 2. p. 217 t. 9

Lisianthus glaucifolius Lam. Hall U. Ark. 197

Sabbatia campestris Nutt n sp. Pl. Ark. 197

Frasera ovata Dunk Hooks. 322 Pl. Wright. 126

F. paniculata Torr. n. sp. Pl. Wright. 126

F. Parryi Torr. Ast Bound. 156

Erythraea floribunda Dunk. Hooks. 322 Ast Bd. 157

Erythraea trichantha Griseb. Y vain Durs Hdg. Pl. Hearn. PR V. p 11 T. 9

Gentiana simplex Gr. n. sp. Pl Nicob. PR. 6. 87 T. 16

Erythraea chironioides Torr. (G grandiflora Gris) Ast Bd. 156

E. Beyrichii Torr & Gr. Ast Mexic. p. 298 t. 13 (C. trichantha S. argentifolia Gris. & Prod. 9. 60 Ast Bd. 157

Gentiana Parryi Eng Engelm & Shurtl Trans. II. 21 Pl. Hall. 74 note

G. Wislizeni Eng Shurtl Trans. II. 215. t. 7 & Pl. Parry nro 304 - 309

G. acuta & var. ib II. 214 t. 9 Eng. & Pl. Hall. 74 note

G. montana nov ib II. 217. t. 9

G. frigida Hooke Pl. Parry nro 305

G. heterosepala Eng ib. II. 215 t. 8

G. barbellata Eng ib II. 216 t. 11.

Frasera speciosa Dougl. Eng & Pl. Parry nro 310.

Gent. affinis Gris & varietas, genuina & brachycalyx Eng. Pl. Hall. 74 note

Pleurogyne rotata Gris Eng & Pl. Hall 74 note.

Tessaranthium radiatum Kellogg n. gen sp. Proc Ac. Cal. 2. 142 c. ic = Frasera

Erythraea Pickeringii Oakes n sp. Hovey's Mag. 1841 p. 2. = E. spicata Pers fide Gray

Sabbatia campanulata Torr. Flor. North St. 217 Oake & Hovey Mag. 1841 p. 3 = S. gracilis DC. fide Gray

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Apocyneae A. DC. Prod. 8. p. 317 (1844)

Amsonia tomentosa Torr & Frem n. sp. Frem 2d Exp. 316. Bot Bound. 158

Cycladenia humilis Benth. n. gen. sp. N. Harker. 322

Echites macrosiphon Torr n sp. Bot Bound. 158 t. 43

E. brachysiphon Torr n sp Bot Bound. 158.

Amsonia longiflora Torr n sp Bot Bound. 159

Haplophyton cimicidum Orat. Prod. 8. 412 Bot Bound. 159

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Asclepiadaceae 2

Asclepias Brachystephana Eng. n. sp. Bot Bound. 163

A. macrotis Torr n sp. Bot Bound. 164 t. 45

~~A. longicornu Benth~~ A. Hartw.

Gonolobus granulatus, Schecle n sp. Linnea. 21. 759 Bot Bound. 165

Lachnostoma ? parviflora Torr. n. sp. Bot Bound. 165

Gonolobus productus Torr n. sp. Bot Bound. 165

G. ? parvifolius Torr n sp. Bot Bound. 166.

(Asclepias acornutum Kellogg n sp. Proc Cal Ac. 1. 55 ed. 2. p. 54

Acanthostachys atropurpurea Kellogg n. sp. Proc Cal Ac. 1. 65 =)

Asclepias longicornis Kellogg n sp Proc Cal Ac. 1. 65. (ed. 2, 68.)

Vinc. Fremontii Torr, name only in Pac R. Rep. VI. 87 (new ed.)

A. Mexicana Cav ? Hook & Arn. Bot Beechey. p. 365

A. vestita Hook & Arn Bot Beechey p. 365

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Asclepiadaceae de Caisne in DC. Prod 8 p. 490 (1844)

Acerates latifolia Torr & Gray n. sp. in Ives. 2d Exp. 317

Asclepias Lindheimeri Eng & Gr. n. sp. N. Amer. 1. 42. = A. longicornu Decne in DC. Prod 8. 569. fide Britt. Harbw. 323

Gonolobus cynanchoides Eng & Gr. n. sp. N. Amer. 1. 42

Polyotus (= Acerates) heterophyllus Nutt. Gen. N. Am. 1. 199 = Asclep. viridiflora Raf.

P. angustifolius Nutt. n. sp. Gen. N. Am. 1. 201

Anantherix paniculatus Nutt. Gen. N. Am. 1. 202

A. decumbens Nutt. n. sp. Gen. N. Am. 1. 202

Asclepias macrophylla Nutt. n. sp. N. Journ. 180 = ? A fascicularis Decne in DC. Prod. 8. 569. fide Britt. Harbw. 323

A. verticillata β? leptophylla Torr in Sitgr. Rep. 164

A. n. sp. Torr. in Whipp. 128

A. erosa Britt. Harbw. 323 Torr in Bot Whipp. p. 128 (name only)

Acerates cordifolia Britt. Harbw. 323. in Whipp. 128.

Asclepias verticillata Decne in DC. Prod. 8. 571 Torr in Bot Williams R. R. 5. 362 t. 7

Sarcostemma heterophyllum Engler in Bot Williams R. R. 5. 362 Bot Bound. 161

Asclep. macrophylla var connosa Durand & Hilg. N. Amer. P. R. 5. 10 t. 8

Metastelma barbigerum Schlecht Linn. 21. 760 Bot Bound. 159

M. ? angustifolium Torr n. sp. Bot Bound. 159

Boulinia uniflora Eng. (Gonolobus Schlecht) Bot Bound. 160.

Acerates accrescens Eng. n. sp. Bot Bound. 160

A. tomentosa Torr n. sp. Bot Bound. 160 t. 44

Sarcostemma bilobum Hook & Arn Bot Beech. 317 Bot Bound. 160

S. elegans Decne. ? Bot Bound. 161

S. undulatum Torr n. sp. Bot Bound. 161

S. heterophyllum Eng. n. sp. Bot Bound 161. Var. p. 162

Asclepias Jamesii Torr n. sp. Bot Bound. 162

A. erosa Torr n. sp. Bot Bound. 162

A. arenaria Torr n. sp. Bot Bound. 162

A. nummularia Torr n. sp. Bot Bd. 163 t. 45

A. involucrata Eng. n. sp. Bot Bound. 163

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86

Fraxinus see Gray in Revise of Rich Buckley Proc. Phila Acad Sep 1862 p. 166 & p. 2

Oleaceae

DeCandolle - DC Prod. 8. p. 273 (1844)

Forestiera see Gray in Proc Am. Acad. Arts & Sci IV. 363 (1860)

Fraxinus velutina Torr n sp. Ives Rep. 149. var of F. pistaciaefolia H. Whipp. 128

Forestiera pubescens. Nutt n sp. N Ark. 177.

Fraxinus pistaciaefolia Torr. H.Whipp. 128 Bot Bound. 166

F. Oregana Nutt Sylv. t. 99. (F. pubescens. var Hook H. F. grandifolia Ait H. Whipp. 128 Sulph.

F. cuspidata Torr n sp. Bot Bound. 166

F. dipetala Hook & Arn. var? trifoliolata Torr Bot Bound. 167

Forestiera phyllyreoides Torr Bot Bound. 167 (Dipt. lepis Benth. N. Hartw. 29

F. reticulata Torr n sp. Bot Bound. 167

F. sphaerocarpa Torr n sp Bot Bound. 168

F. angustifolia Torr n sp Bot Bound. 168

Forestiera Revision by A Gray Bot. Am. Acad A & Sc. N. Jan. 1860 p. 363

Jasminaceae

Menodora Gray - Sill. Journ. 14 p. 44.

M. scabra Gray :6. Torr. - Bot Parke PR. 7. 1847

M. longiflora Gray :6.

87 ## Aristolochiaceae Duchartre DC Prod 15.1. p 421 (1864)

A. reticulata Nutt DC Ark.

A. longiflora Eschz. DC Ark. 1.

A. Californica Torr n sp. H. Whipp. 128

Asarum Hookeri Fieldg. - H. Whipp. 128

A. Brevipes Benth. N. Hartw. 15. (A Wrightii Seem) Bot Bound. 168.

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88

Nyctaginaceae Choisy in DC. Prod 13.1 p. 425 (1849)
Gray in Sillim. Journ. 15: 14? p. 320
— Bot Bound. 172

Abronia micrantha Torr in Pl. Fremont. 1. 96. Emory Rep. 149. fom of A. mellifera Standley
not Bot of A. cycloptera Gray. Rep 395
A. fragrans Nutt. in H. Torrey. Bot. Gunnison P.R. 2. 128 + 10 Bot Bound. 170
Oxybaphus glabrifolius (non Dahl. Choisy). (O. calvus Nutt.) Torr. Pl. Wrightp. 131 see Bot Bound. 169
Abronia cycloptera Gray. Sill Journ. 15: p. 319 Pl. Wright. 131 (Abronia micrantha Torr. here)
A. mellifera Dougl. DC Prod. Pl. Wright. 131. Bot Bound. 170
Oxybaphus hirsutus Pursh — Torr Bot Bound. 169
O. coccineus Torr n. sp. Bot Bound. 169.
Allionia incarnata Linn Bot Bound. 169
Acleisanthes longiflora Gray. etc Bot Bound. 170 t. 46.
Pentacrophys Wrightii Gray n. Bot Bound. 170 t. 47. a.
Selinocarpus angustifolius Torr n. sp. Bot Bound. 170. t. 47. a.
Boerhaavia coccinea Torr n. sp. Bot Bound. 171
B. spicata Choisy ? Torr Bot Bound. 171 Pl. Lindh. 166.
B. scandens Linn (B. Grahami Gray etc.)
B. leiosolena Torr n. sp Bot Bound. 172
Mirabilis Californica Gray Bot Bound. 170 t. 48
var villosa Kellogg. Proc Calif Ac. 2. 10868. (1863) e. ic. p. 68
Oxybaphus Torreyi Behr n. sp. Proc Calif Ac. 1. 69
Abronia Crux Maltae Kellogg n. sp. Proc. Cal. Ac. II. 71. e. ic.

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89

Phytolaccaceae

Rivina portulacoides Nutt n sp. N Ark. 167 = Caeni, fide Tor Bot Rep 184

Basellaceae

Anredera scandens Moq. DC Prod. 13. 2. 230 Basella scandens L. Sp Pl. 272

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What is Chenop. subspicatum Nutt gen ?. ~~Not = Hog.~~
= Atriplex hastata fide Moq.

Chenopodiaceae DC. Prod. 13.2 p. 41 (1849) Moquin

over

Kochia vermicularis n. gen Torr. Pl. Frem. 1.95. = Sarcobatus Maximiliani Meyer Pl. Hemsley 20 ?
2° 317 t. 3

= Sarcobatus vermiculatus Torr - Curry Rep. 149

Obione confertifolia Torr & Frem. n. sp. Frem 2° Exp. 318.

Pterochiton occidentale n. gen. sp. Torr & Frem. Frem 2° Exp. 318. Nutt N. Gen. 184
= Obione occid. Moq. DC. Pr. 13.2 112

Anthroceron fruticosus Moq. DC. Prod 13. 151? Stand. Rep. 394

Obione lentiformis Torr n. sp. ~~[illegible]~~ Sitgr. Rep. Exp. 169. t. 14 var. N. Whipp. 129

O. canescens Moq. synonym Sitgr. Rep. 169 var. Bot Bound. 183

Acanthochiton Wrightii Torr n. gen. sp. Sitgr. Rep. 170 t. 13 Bot Bound. 179.

Teloxys cornuta Torr. n. sp. N. Whipp. 129.

(Gray 390)

Obione hymenelytra Torr. N. Whipp. 129 t. 20 Bot Bound. 182

O. polycarpa Torr Curry Rep. 149 N. Whipp. 130

over Suaeda maritima Dumort. Chenopodina mar. Moq. DC. Pr. Salsola depressa Pursh
over S. fruticosa Forsk var. multiflora Torr - N. Whipp. 130 N. Whipp 130

Obione Gracilaria Den & Hfg. n. sp. N. Herm. P.R. V. 13 t. 14

over Chenopodina Cabanisi Moq. DC. Pr 13.2.164 (- part) Torr - P.R. 7. 18. Salsola Cav. Ell.
over Ch. Moquini Torr - Bot Bound P.R. 7. 18 Ch. Cabanisi Torr - Stans. Rep. 394

Endolepis Suckleyi n. gen. sp. Torrey - N. Stevens P.R. 12. 47 t. 3

Obione Suckleyana n. sp. Torrey - N. Stevens P.R. 12. 44 t. 4

O. Bonplandiana Benth - DC. Prod. 13. 2. 112 ? see Den & Hfg. P.R. V. 13.
= acanthocarpa Torr fide Bot Bound 183 see Bot Bound 25

O. argentea Moq. (Nutt) see Bot Bound. 182

O. nudata Torr n. sp Bot Bound. 183

O. elegans Moq var ? nudata Torr Bot Bound 183

O. acanthocarpa Torr. n. sp. Bot Bound. 183

O. occidentalis Moq. — Bot Bound. 184 & var ib.

Atriplex macrostachyum Bunge Linn. 28. 573 - Bot Bound. 184 Bot Bound 25

Salsola mucronata Lag. Ky. Bot Bound. 184

S. Bigelovii Torr Bot Bound. 184 ? (S. mucronata Bigelow. Gray Ar. non Lag.)

Conspectus American Nuttall Arkan 165

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Weed-i Chenopodium subspicatum Nutt Gen 1. 199 = glaucum?

⊙ The plant of the eastern seacoast, an annual is:

Salsola salsa ? Michx. I. 174 (Pursh) Pursh 1. 197. ⊙ Nutt. Gen 1. 199 (adds ✕!!)

Chenopodium maritimum Pursh 1. 198 ⊙. = S. salsa fide Nutt Gen 1.200

Salsola depressa Pursh 1. 197. ⊙ = S. salsa fide Nutt gen. 1.200. Westward

Salsola Torreyi Ell & Sk. 1. 332 ⊙

Suaeda maritima (Dumort) Torr. & Gr. N.Y. 2. 141. & Wright. 130

Chenopodium maritimum Moq. DC. Prod. 13. 2. 161. Gray man ed 2. 366.

Chenopodium Torreyi Moq. ib. p. 164 in part fide Torr P.R. 7. 18. ⊙
(Moq. gives the above synonyms and says this is ✝ —

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✝

Chenopodium Torreyi Moq. DC. Pr. 13. 2. 164 = part fide Torr. P.R. 7. 18 probably only
Torrey Moq. says it is ✝, all his localities are the Eastern shore.

Chenopodium Torreyi Torr = Stansbury Rep. 394

Chenopodium Nuttalliae Torr = P.R. 7. 18.

Suaeda fruticosa Forsk. Moq. DC. Prod 13. 2. 156. var? multiflora Torr Bot Wright. 130
& Bot Bound. 184

⊙ Schoberia oleracoliformis Moq. DC. Prod. 13. 2. 166. ⊙ West; also N York fide Moq.
Chenopodium ——— Hook. F. Bor Am 2. 126
Suaeda ——— Moq. Chenop. Enum. 128

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Amaranthaceae DC. Prod 13. 2 p. 231 (1849) Moquin

Amarantus tamariscinus Nutt ex A Gr. 165

Achyranthes lanuginosa Nutt ex A Gr 166 = Alternanthera Torr - Emory Rep. 150

Montelia tamariscina Gray Man. ed. 2. 370 Amar. tamariscinus Nutt Torr. Pacific Rail Rep. 5. 165

Iresine Floridana Moq. includes I. Drummondii Moq. Lem Ill Hort. 131

Acanthochiton Wrightii Torr n. gen sp. Sitgr. Rep. 170 t. 13. Ast Bot. 179

Celosia paniculata Lin Ast Bot. 179.

Sarratia Berlandieri (not Moq. DC. Prod. 13. 2. 268). Ast Bot. 179. & var.

Amblogyna Polygonoides Raf. Ast Bot. 179. = Amblogyna Torreyi Gray, Pl. Wright. 168

Alternanthera Lanuginosa Torr. Emory Rep. 150 (Achyranthes Nutt) Ast Bot. 180

Alt. suffruticosa Torr. n. sp. 181

Gomphrena tuberifera Torr n. sp. 181

G. Sonorae Torr n. sp. 181

G. caespitosa Torr n. sp. 181

Amblogyna (Sarratia) Torreyi Gray in Bost Am Acad. V. 169 (A. Wright)

Amblogyna Raf. Gray ibid. A. Wright. 1. 168 pl. 19.

Telanopsis, [illegible] conditial form of acute Amar. Gray A. Wright 1. 168

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Polygonaceae 2

Eriogonum umbellatum Torr. in Sitgr. Rep. tab 12

Polygonum tenue Mx. var. Eng. in A. Hall. 75 note

Eriogonum deflexum Torr. in Bot. Mex. 24.

Plant

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Polygonaceae Meisner DC Prod 14. p. 1 (1857)

~~Eriogonum~~ inflatum Torr & Frem n. sp. Frem 2e Exp. 317 — E. Cattendenense Dur. & Pk. Cattend 100
E. Thomasii Torr. Pl. Wilkes Ex. 5 364

E. reniforme Torr & Fr. n sp. ibid

E. cordatum Torr & Frem n sp ibid.

E. atronubens Engl n sp. Ursly Mem. not 43

E. trichopes Torr n sp Emory Rep. 150

E. Abertianum Torr n sp ibid.

Polygonella Mich Gray. N. Amth I. 23. note cu DC Prod. 14 p. 79

P. polygama Gray i6. P.? parvifolia Mx. Polygonum polygamum Vent.

P. ericoides Gray i6. Gonopyrum Americanum Fisch & Mey.

Thysanella fimbriata Alph. n gen. N. Amth. I. 24 (Polygonum fimbriatum Ell. t. 588)
DC Pr 14. p 82

Polygonum cristatum Eat Pr. n sp N. Amth. I. 51. DC. Prod. 14. p. 126.

~~Eriogonum~~ Congdonianum Nutt n sp N. Am. 164

E. annuum Nutt n sp N. Am 164

E. multiceps Nees. n sp. N. Journal 20.

Eriogonum effusum Nuttall in N. Journ. I. p. 160-170. (1848

E. leptoclados Torr & Gr. in N. Journ. P. R. 2. 129

not in DC Acanthogonum rigidum Torr n. gen. sp N. Wisp. 133 N. William PR V. p. 363 t. 8

not in DC A. ? corrugatum Torr n sp. N. Williams PR V. 364

Chorizanthe fimbriata Nutt. Amth. Torr. N. Williams PR V. 364 t. 8 DC. Pr. 14. 25

Centrostegia Thurberi Gray n. gen sp. N. Parke PR. 7. p. 19 t. 8 DC. Pr. 14. 27

not in DC. Chorizanthe laciniata Torr. n sp. N. Parke PR. 7. p. 19.

Eriogonum ciliatum Torr. Amth. Ast Bound. 175

E. helianthemifolium Benth in var sp E. Wrightii Torr, fide Ast Bd. 176

E. cymosum Amth — — — E. annuum Nutt fide Ast Bd. 176

E. platyphyllum Torr — — E. tenellum Torr — — —

E. Thurberi Torr n sp Ast Bd. 176

Chorizanthe brevicornu Torr n. sp. Ast Bound 177

Acanthogonum hymenosepalum Torr n sp. Ast Bd. 177

A. scabrifolium Wright var denticulatum Torr Ast Bd. 178
DC Prod 14. 27

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Lauraceæ

Oreodaphne Californica Nees & Synon. Fam Pl. Whipp. 133 Nutt Sylv. t. Newberry P.R.6
24 c 2c
Bot Bound. 184

Thymelaceæ

94

Dirca palustris L. California Torr Pl. Whipp. 133

Elæagnaceæ

95

96

Santalaceæ

Comandra umbellata Nutt note in Pl Whipp. 134
var. angustifolia Torr Bot Bound. 185

Darbya umbellulata A Gr. n. gen. spec. Sill Journ I. (1846) p. . .

Buckleya distichophylla Torr. Sill. Journ 45 (1843) p. 170
Sill Journ 18 (July 1854) p. . .



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DC. Bod. (18)
Eaton N. Arch. 2. 212 note (18.)
A. Fent. 59 note (18 -.

Loranthaceæ

Disposition by Eaton A. Fent. 58-59 note and especially N. Arch 2. 212 note

Phoradendron juniperinum. Eat. A. Fent. 58 N. Arch 2. 212 note

Ph. flavescens, Nutt. N. Gamb. 185 A. Fent. 59 note N. Arch. 2. 212 note Ast Bod. 185

Ph. orbiculatum Eat. n sp. A. Fent 59 note = Ph. flavescens var N. Arch ibid.

Ph. tomentosum Eat. (DC). A. Fent. 59 note

Ph. lanceolatum Eat. n sp. A. Fent 59 note

Ph. villosum Nutt N. Gamb. 185 N. Arch 2. 212 note

Ph. Californicum Nutt N. Gamb. 185 E. N. Arch. 2. 213 note A. Whipp. 134

Arceuthobium Oxycedri M.B. E. Ibid.

A. Americanum Nutt E. Arch. 2. 214 note

A campylopodum Eng n sp. N. Arch ib A. Whipp. 135

A. cryptopodum E. n sp. ib. A. Whipp. 134

Phoradendron n. gen. Nutt N. Gamb. 185

Ph. paniculiflorum Torr. n sp A. Whipp. 134

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Euphorbiaceæ 1

Stillingia spinulosa n. sp. Torr Emy Rep. 151

Pilinophytum Lindheimeri n sp. Engel & Gray. Pl. Lindh. I. 24

Aphora memecylea Nutt. Fl. N. Ark Trans. Phil Soc. 5. 174 Bot Bound. 194 & var.

A. pilosissima (subs Serophyton Ard Bot Gulph. p. 83) Torr. incorrectly referred by Eng & Gry. to Pl. Lindh. to A. memecylea is a good species

A. lanceolata (Seroph. Ard. Ib. 2)

A. Drummondii (Seroph Ard. Ib)

A humilis Engelm. n sp Pl. Lindh. I. 54. Bot Bound. 196

Ingeia brevispica Engelm. n sp. Pl Lindh I. 54) both belong to I. ramosa Torr. NY. Ann. 2. 245 fide Mary Rep. 282, no, to articuloli Bot Bound. 200

I. angustifolia Nutt n sp Pl Ark. 172 belongs to I. ramosa Torr fide Bot Bound. 200

I. Celosiæfolia Nutt n sp Pl Ark 173 ad I. articulosa Mx Bot Bound. 200

Croton muricatum Nutt n. sp. Pl Ark 173 see Colon. Hudsonia multiflora

Maschalanthus n. gen. Nutt Pl. Ark. 175 obovatus (Phyllanthus Mich)

M. polygonoides Nutt n. sp. Pl Ark. 175 (Phyll. Poeppigianus Scheele Lin) Bot Bound. 193

Lepidanthus phyllanthoides n. gen. sp. Nutt Pl Ark. 175

Stillingia lanceolata Nutt n. sp. Pl Ark. 176 (= St. sylvatica β. salicifolia Torr Ann N.Y. 2 245

Hudsonia multiflora Torr. = Frem. Exped. 96. = = H. Texana Klotsch. fide Torr. Mary Rep. 282
= Croton muricatus Nutt.

Gymnanthes monadelphya Torr. Mary Rep. 282 & synonym. Bot Bound. 196.

Phyllanthus ericoides Torr n sp. Bot Bound. 193

Croton Berlandieri Torr n. sp. Bot Bound. 193

Croton Sonoræ Torr n sp. Bot Bound. 194

C. suaveolens Torr n sp Bot Bound. 194 & var

C. Lindheimerianus Scheele Lin. 25: 580 Bot Bound. 194

C. reticulosus Engel. Bot Bound 194

C. procumbens Klotzsch. & syn. Bot Bound. 195

C. Trichocarpus Torr n. sp. Bot Bound. 196

Eremocarpus setigerus Hook Bot Gulph. 53 t. 26 Bot Bound 196.

Aphora Cleevi Gray n sp Bot Bound. 196

A. serrata Torr. n sp Bot Bound 197

Mozinna spatulata Ortg. var: Bot Bound. 197

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Euphorbiaceae 2

Mozinna racemosa Ad. & Ad. Subpl. 82 t. 25. Act Acad. 198
M. cardiophylla Torr. n sp Act Acad. 198
Cnidoscolus angustidens Torr n sp. Act Acad 198
Jatropha multifida Lin Torr Act Acad 198
J. Berlandieri Torr n. sp Act Acad 198
Tanipha Loeflingii HBK Act Acad 199
J. Manihot HBK. Var. Act Acad 199
Acalypha phleoides Cav. ? Act Acad. 199.
A hederacea Torr n sp Act Acad 200
A radians Torr n sp Act Acad 200
Tragia urticifolia Mx & var. a typica Act Acad. 200
Tragia mysiraefolia Scheele Lin. 25. 581 Act Acad. 201
Sapium ? aucuparium Torr n. sp. Act Acad. 201
S. sylvaticum Torr Stillingia Lin Act Acad. 201
S. salicifolium HBK. Act Acad. 201
Simmondsia Californica Nutt. - Hook Lond. Journ Act. 3. 400. t. 16
Act Acad. 202 t. 49 Buxaceae!
Batis maritima L.
B. Californica Torr. San. Ft. Comm. 6. p. t 11. Act Acad 202
Euphorbia articulata Lag. ex A. Xant. 130. Act Acad 26
E. polygona Haw. ic 171 Act Acad 26
E. hypericifolia L. ic. 171
E. gymnoclada Eng. ic. 171. E. . . . . D C. Prod.
E. schizoloba Eng. ic. 173 note Act Acad 26 sub nom E. incisa
E. Acuida Eng ic. 173 note. Act Acad 26
Simmondsia pabulosa Kellogg. n sp. Proc. Ac. Cal. 2. 21

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Urticaceae

Urtica purpurascens Nutt ms sp Pl Ark. 169

Celtis integrifolia Nutt ms sp Pl Ark 169 = Mississippensis Bosc = occidentalis var Bot Gaz 2. 203

Ulmus crassifolia Nutt ms sp Pl Ark 169 = U opaca Nutt Sylva. t. 11 Bot Gaz 2. 203

Madura aurantiaca Nutt Gen. 2. 233 Pl Ark. 169

Humulus Americanus Nutt ms. sp. Pl. Gamb. 181

Urtica holosericea Nutt ms sp Pl. Gamb. 183

Interior Toxicoxstes glomerata Raf Med. R. 2. 88 t. 64 Bull. Herb. 334 Wipp. 135

Hesperocnide tenella Torr. in Gen. sp. Pl. Wipp. 139

Parietaria debilis Forst var P. floridana Nutt. Gen 2. 208.

Celtis pallida Torr ms Bot Gaz 2. 203

Morus microphylla Buckley in Proc Ac Philad 1862 p. 8 & 167

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Juglandaceae

Juglans rupestris Engl Sitzgr. Acp. 171 t. 15-16. Bot Bord. 205

(= J. pyriformis Liebm. Kiabh. dr. 1850 p. 80 ?)

Garryaceae

Garrya elliptica Lindl Bot Reg. 1686 A. Whipp. 136

G. Wrightii Torr. n.sp. A. Whipp. 136

G. Fremontii Torr n. sp. A. Whipp. 136.

G. Lindheimeri Torr n.sp. A. Whipp. 136

G. Fadyenii (Fadyi) Hook

G. laurifolia Bull. A. Harbr Arb 81 & 384

105

Platanaceae

Platanus racemosa Nutt Sylv. 1. 47, t. 15. (P. Mexicana Moric, P. Californica Benth)

Newberry P.R. 6. 33 Cir. A. Whipp. 136

Bot Bord. 204

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Cupuliferae DC. Prod. XVI. pt. 2 pag 1

Quercus Lauroi Torr n. sp. Lauroy Rep. 151 T. 9. A. Whipp. 138 (includes quercus hastata Liebm. fide Torr. Bot Bound 206

Quercus Gambelii Nutt n. sp. A. Gamb. 179 Silgr Rep. 172 t. 18.

Q. alba β? Gunnisoni Torr ap. A. Gunnis. P.R. 2. 130

Q. oxyadonia Torr n. sp. Silgra Rep. 172. t. 17. = agrifolia Née fide Torr Bot Whipp. 138 Newberry P.R. 6.32 c ic

Q. oblongifolia Torr n. sp. Silgra Rep. 173 t. 19. Bot Bound. 206 (= grisea Liebm fide Torr)

Q. undulata Torr = Am dep. N. Y. 2. 248 t. 4 A. Marcy. 284. Nutt. Sylv.

Q. echinacea Torr n. sp. A. Whipp. 137 t. 14. = densiflora Hook & Arn fide Newberry P.R 6.31 c ic

Q. crassipocula Torr n. sp. A. Williamso PR V. 365 t. 9 (1856) A. Whipp. 137 = Q. fulvescens Kell see below = chrysolepis Liebm

Q. tantoni var Californica Torr A. Whipp. 138 Q. Kelloggii Newberry PR 6.28 c ic
= Q. Sonomensis Benth = DC. Prod 16.2.62

Q. Hindsii Benth. Sulph. 55 (Q. longiglanda Torr = Fem. Geogr Mem of Calif.)
= Q. lobata Née (Q. Lansomi Kellogg.) Newberry P.R. 6.29 c ic

Castanea chrysophylla Dougl. Hook fl. 2.159 A. Whipp. 137.
Castanopsis
Q. chrysolepis Liebm. = Benth. Hartw. 336 DC. Prod. 16.2.37. (C. semperviren Kellogg Proc Ac Cal 1.71
(Feb. 1854)
Castanea chrysophylla Kellogg. Proc Cal Ac 1.67. (ed. 2) Q. crassipocula Torr = Q. fulvescens Kellogg.
1854

Q. fulvescens Kellogg. Proc. Cal Ac. 1. 67. & 71 Newberry P.R. 6.27 c ic. (= Cast
2 ed. t p. 70. 171 (1855. published (1857)

Q. Morchus Kellogg Proc. Cal Ac. 2 p. 36. DC. Prod 16.2. 79
[= critique DC. ?]

Q. dumosa Nutt Sylv. p. 7, Torr Bot Bound. p. 207

Liebmann, Querctz, Nov Mex & Calif. = Copenhagen Nat. Hist. Tidsskr. 1854

Liebmann, Egeds [as quoted by DC.

Q. acutidens Torr n sp. Bot Bound. 207 tab 51.

Q. confertifolia H & B K. ? Bot Bound. 207.

Q. obtusifolia var brevilobe Torr Bot Bound. 206

Q. Ransomi Kellogg Proc Calif Ac 1. 23 (2d ed)

Q. arcoglandis Kellog ibid

Castanea sempervirens Kellogg ib. 1. 75 (2d ed)

Q. vaccinifolia Kellogg ib. 1. p. 96 (2d ed. p. 106)

Q. Kelloggii Newberry

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Myricaceae DC. Prod. 15

Myrica Californica Cham & Schlecht Linn 6. 595 — A. Whipp. 137

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Betulaceae

see Regel Monogr. 1861
Tuckerman - Sill Journ 45. July 1843. p. 29

Alnus viridis DC. - Californ A. Whipp. 137

A. crispa Tucker - Sill Journ. 45. 33

A. Mitchelliana Custis ex Gray Sill Journ. 42. p. 42 } = A. viridis fide Regel.

A. oblongifolia Torr. Bot Bound. 204 n. sp.

A maritima Muhl, Nutt Syl. 1. 74 is the same as A. oblongata Willd - see Regel Mon
Carey - Am. Phil. Trans. 1864. 18.

110

Salicaceae

see Anderson -
Tuckerman - Sill. Journ. 45. July 1843 p. 34

Salix Hindsiana Benth Hartw. 335 A. Whipp. 138

S. Cassiandra Benth - Hartw 335. A. Whipp. 138

S. Bigelovii Torr a. sp. A. Whipp 139.

S. Casitelepis Benth. Hartw 335

S. Brachystachys Benth. Hartw 336

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Coniferae

Abietineae & Juniperoideae see separate notes

Libocedrus decurrens Torr + sp ÷ A. Fremont 1853 p. 7. t. 3
Newberry PR. 6. 63 PC Whipp. 140

Cupressus Lusitanica var. benthamiana Natt Pl Ark. 163

Taxus brevifolia Natt Syls. 3. 86 t. 108 & syn. A. Whipp. 140
Newberry P.R. 6. 60 c. ic.

Torreya Californica Torr ÷ N.Y. Journ Pharm. 3. 49. & syn. A. Whipp. 140
Newberry P.R. 6. 64 c. ic.

Sequoia sempervirens Endl. Syn Conif. 198 Taxodium Lamb. —
Gray ÷ Pacific Journ 8. 150 — A. Whipp. 140 Newberry P.R. 6. 57 c. ic

S. gigantea Torr ÷ Pacific Journ 18. 150. Wellingtonia gig. Lindl. Trans A. Whipp. 140
Endl. Conif 198. — Trans Cal Ac. 2. 199.
Taxodium gigantea Kellogg & Behr Proc Cal Ac. 1. 58

Juniperus tetragona Schlecht. Linn. 13. 495 ? Torr. Pacific Syn. 173.

—— —— var osteosperma Torr A. Whipp. 141 Bot Boundary 210

J. pachyphlaea Torr n. sp. A. Whipp. 142 — Bot Boundary 210

J. occidentalis Hook fl. 2. 166 J. Andina Natt Syls. 3. 95 t. 110
Newberry P.R. 6. 59 c. ic.

Cupressus macrocarpa Hartw. Journ Hort Soc. 2. 187 Bot Boundary. 211

C. Goveniana Gord. Journ Hort Soc. 4. 295. Bot Boundary 211

Thuja gigantea Natt Syls 400 t.... Newberry P.R. 6. 56 c. ic

Cupressus Nutkatensis Lamb Hook Flor. 2. 165 — Newberry PR. 6. 62 c. ic. —

Ephedra spec. see Bot Boundary. 207 & 208.

Cupressus fragrans Kellogg n. sp. Proc Cal Ac. 1. 103

Juniperus Cerrosianus Kellogg n. sp. Proc Ac Cal 2. 37.

J. tetragona Schlecht. var osteosperma Torr ÷ Bot Whipp. 141

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Najadaceae

Potamogeton Robbinsii Oakes in Hovey's Mag. 1841. p. 2

P. pulcher Tuckerm in Sill Journ. 45: July 1843 p. 38

P. Claytonii Tuckerm. 16.

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Kunth Enum III. 147 (1841

Alismaceæ

Alisma Geyeri Torr. ex A. Nuttall p. 162.

A. rostrata Nutt ex sp. A. Ark. 159

Sagittaria rudiana Nutt ex sp. A Ark 159

Damasonium Californicum Torr ÷ A. Hooker. 341 A. Schiff. 142 t. 21
A Hook. 341

Sagittaria calycina Eaz ÷ Bot Bound. 212

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Orchidaceae

Gymnadenia nivea Gray M. South 1. 28 Orchis nivea Nutt

Spiranthes vernalis Engl. & Gr nov spec M. South. 1. 28

Orchis leucophaea Nutt n sp M. Ark. 161

O. scutellata Nutt n sp M. Ark. 161

Corallorhiza striata Lindl. — R. Rhiz. pp. 152 t. 25

Spiranthes romiloli Lindl. Orch. 467

Platanthera elegans Lindl Orch. 285

Gymnadenia longispica Durand sp. nov. N. Potter 101

Platanthera dilatata Lindl. & hyperborea Lindley — Gray N. Pacy. 357

Spiranthes gemmipara Lindl. see Gray N. Hall 76.

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Kunth Enum V. p. 467 (1850

Amaryllideae

Habranthus Andersonii Herb. var. texanus Bot Mag. Bot Cab. 243

Copaisia pedunculata Herb.

C. Drummondii Herb.

Agave Americana β? Colipleii Torr. Bot Cab. 213.

A. Lechegueilla Torr. n. sp. Bot Cab. 213

A. Geminiflora Gawl. var Sonorae Torr Bot Cab. 214

A. parviflora Torr n. sp. Bot Cab. 214

A. maculata Engelm n. sp. Bot Cab. 214

A. n. sp. Torr. in Bot Mex 29

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Deductions

Alnus oblongifolia Torr. Bot. Mex. Bound. p. 204

A oblongata Willd. Neue Schrift. p. — A. maritima Nutt. Gen.

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